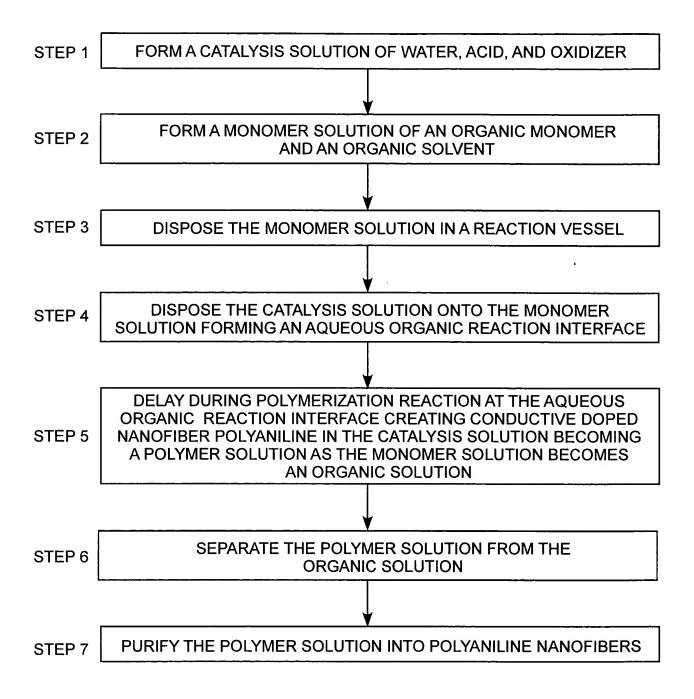
DOPED POLYANILINE EMERALDINE SALT ( $\sigma$  = 10 S/cm)

FIG. 1A

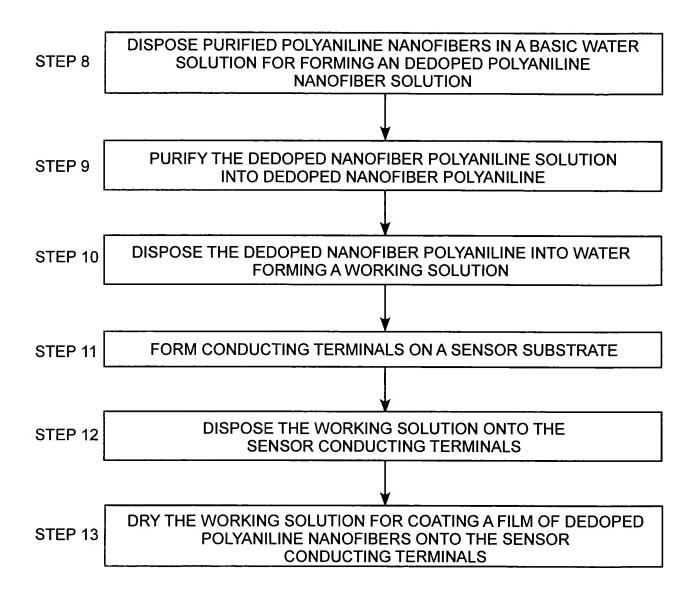
DEDOPED POLYANILINE EMERALDINE BASE ( $\sigma = 1 \times 10^{-10} \text{ S/cm}$ )

FIG. 1B



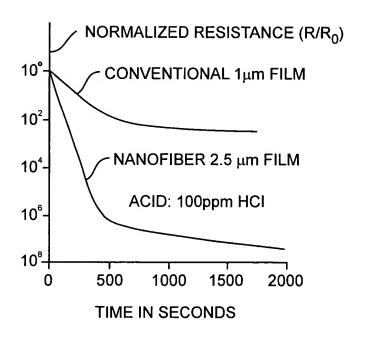
METHOD OF SYNTHESIZING POLYANILINE NANOFIBERS

FIG. 2

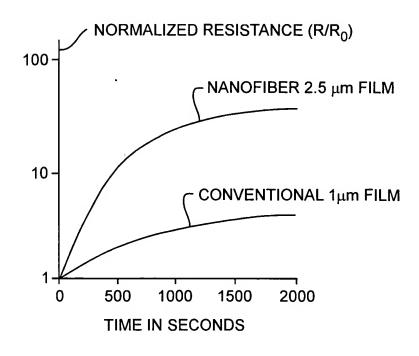


METHOD OF FORMING AN ACID SENSOR

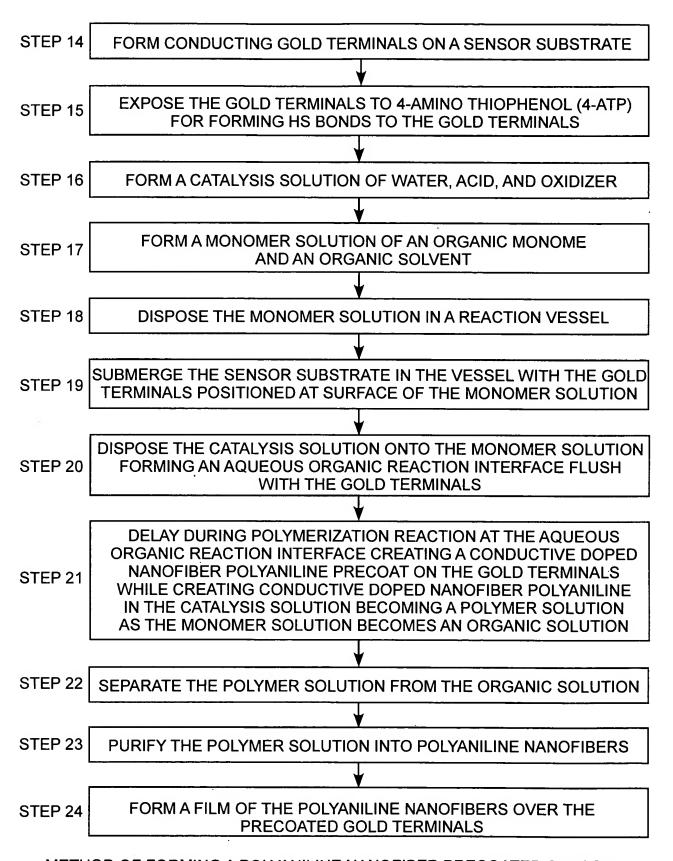
FIG. 3

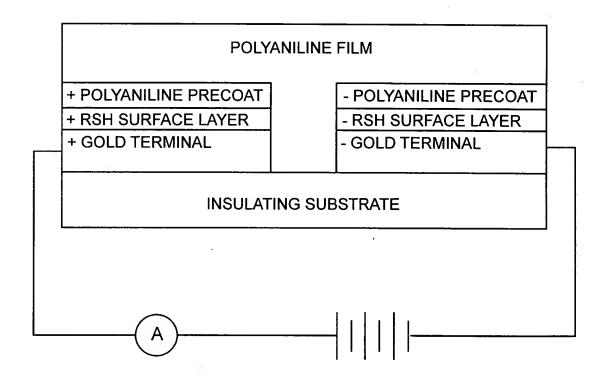


NANOFIBER TIME RESPONSE TO ACID DOPANT FIG. 4A



NANOFIBER TIME RESPONSE TO BASE DEDOPANT FIG. 4B





POLYANILINE NANOFIBER PRECOATED SENSOR

FIG. 6